

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 1.28**WELDING INSPECTION REPORT****Resident Engineer:** Casey, William**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-029527**Date Inspected:** 26-Mar-2013**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1730**Contractor:** American Bridge/Fluor Enterprises, a JV**Location:** Jobsite**CWI Name:** See below**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG**Summary of Items Observed:**

At the start of shift, this Quality Assurance Inspector (QAI) traveled to the project site and observed the work and the inspection performed by American Bridge/Fluor Enterprises (AB/F) personnel. The inspection was performed on the various welds and weld removal areas of the Tower and Bikepath. The welding was performed utilizing Shielded Metal Arc Welding (SMAW) process as per the Welding Procedure Specifications (WPS's).

At the start of the shift this QAI observed the following:

This QAI witnessed the Magnetic Particle Testing (MPT) of the Bikepath lifting lug removal areas at the following locations: PP92.5 (North), PP93.5 (North & South), PP94.5 (North & South), PP95.5 (North & South), PP96.5 (North & South), PP85.5 (North & South), PP84.5 (South), PP80.5 (North), PP77.5 (North & South), and PP74.5 (North). Quality Control (QC) Inspector Fred Michels performed the Magnetic Particle (MPT) inspections of these removal areas. This QAI performed the verification MT inspections of the following locations: PP93.5 (North & South), PP95.5 (North & South), PP85.5 (North & South), PP84.5 (South), and PP75.5 (North & South). See the attached TL-6028 MT report for details. The QC inspection was observed and verified by this QAI and appeared to be in compliance with the contract documents.

This QAI witnessed the Magnetic Particle Testing (MPT) of the longitudinal fillet weld of Drainage Plate #5 at West face of tower at 151 meter elevation by AB/F QC Fred Michels. This QAI also performed the MT verification inspection of the longitudinal weld of Drainage Plate #5. See the attached TL-6028 MT report for details. The welding and QC inspection was observed and verified by this QAI and appeared to be in compliance with the contract documents.

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The digital photographs below illustrate some of the work activities observed on this date:



Summary of Conversations:

No significant conversations took place.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact SMR Gary Thomas (916) 764-6027, who represents the Office of Structural Materials for your project.

Inspected By:	Morris, Monty
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Quality Assurance Inspector

Reviewed By:	Reyes, Danny
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QA Reviewer
